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FEDERAL-STATE-PRIVATE

COOPERATIVE SNOW SURVEYS

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# **WATER SUPPLY OUTLOOK FOR UTAH**

Prepared by

**U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE**

Collaborating with

**UTAH STATE DEPARTMENT OF NATURAL RESOURCES -- DIVISION OF WATER RIGHTS**

In cooperation with U.S. Forest Service, Bureau of Reclamation, Utah Fish and Game Dept., Utah State University, U.S. National Park Service, U.S. Geological Survey, and other Federal, State, and private organizations.

AS OF  
**MAR. 1, 1971**

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters of key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

## PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

## PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia





# **WATER SUPPLY OUTLOOK FOR UTAH**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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# PROSPECTIVE WATER SUPPLIES

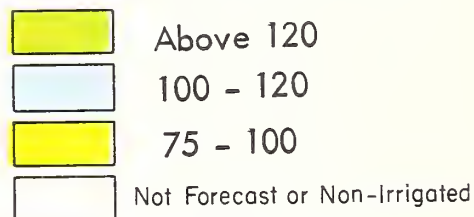
Based on Snow Surveys Made on  
UTAH and BEAR RIVER WATERSHEDS

March 1, 1971

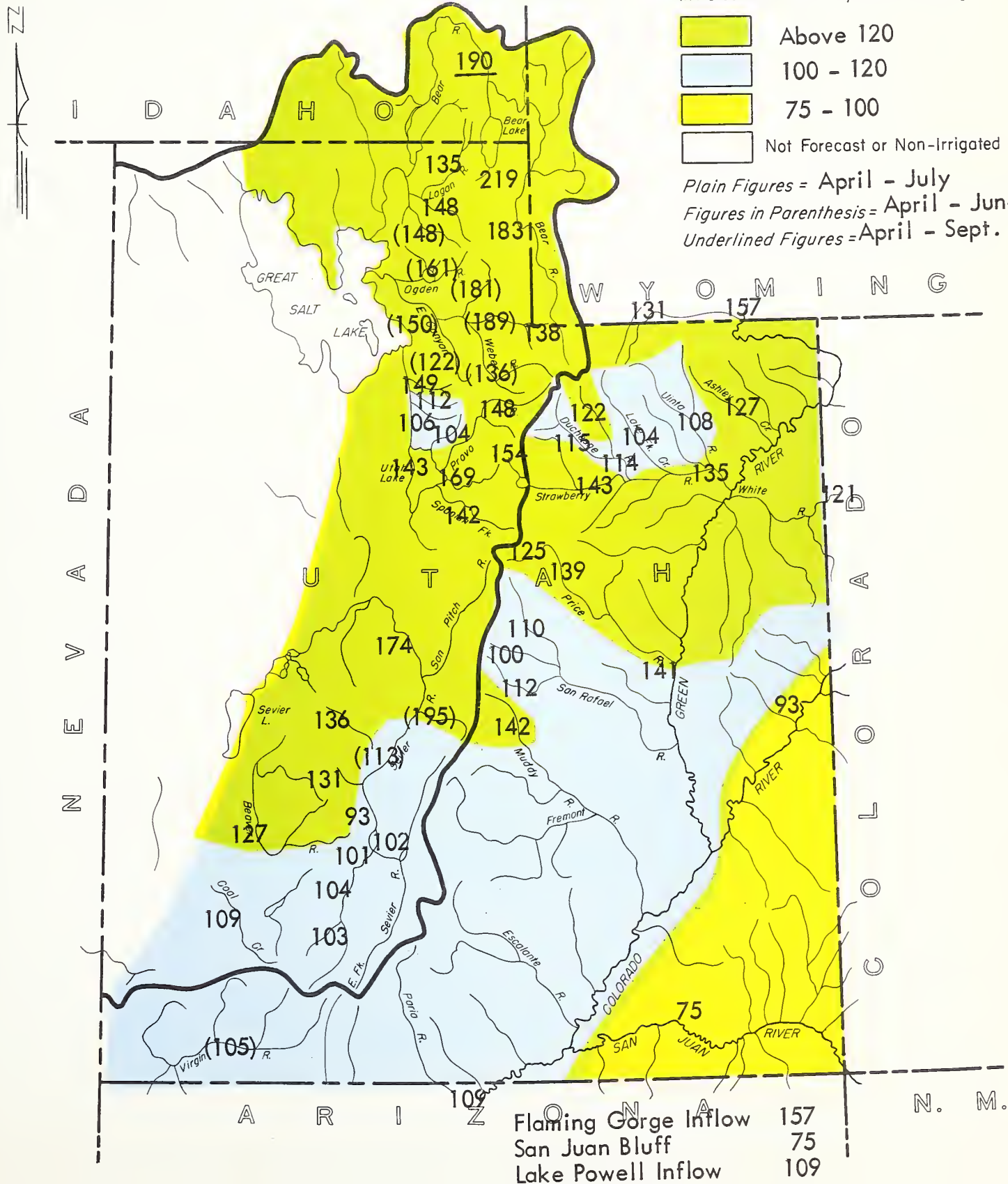
Approximate Date



FORECAST STREAM FLOW  
in Percent of 1953-67, 15 Year Average



Plain Figures = April - July  
Figures in Parenthesis = April - June  
Underlined Figures = April - Sept.







# WATER SUPPLY OUTLOOK

as of

MARCH 4, 1971

\* \* \* \* \*  
\* The 1971 Water Supply Outlook ranges from "well above average" \*  
\* on the Bear River to "near average" on the Upper Sevier and \*  
\* Virgin Rivers. Snow cover was reduced by good February weath-\*  
\* er but still ranges from "near average" to 150% of average. \*  
\* Reservoir storage is 143% of the March 1 average and watershed\*  
\* soils are generally well primed for spring runoff. \*  
\* \* \* \* \*

## NORTHERN UTAH

### BEAR RIVER

The 1971 Water Supply Outlook for Bear River drainage is excellent. Reservoir storage is above average and streamflow forecasts range from 135% to 219% of the April-July average. Mountain precipitation was generally well below average during February - many stations received only about half the monthly catch.

Snow cover now ranges from 134% of average on the Bear, south of Evanston to 154% on the Smith Fork in Wyoming. Logan River snow cover averages 147% of the March 1 average and 149% on Blacksmith Fork and Little Bear Rivers.

Bear Lake now holds 1,095,200 acre feet or 123% of the March 1 average for 1953-67 period. Woodruff Narrows is full at 26,500 acre feet. Hyrum and Porcupine have 10,600 and 6,300 acre feet respectively.

The Bear River is forecast to flow 146,000 acre feet (138%) at the Utah-Wyoming Line during the April-July period. It is expected to pick up flow on down stream to 190,000 acre feet at Woodruff and 430,000 acre feet (190%) at Harer, Idaho for the April-September period. Big Creek and Woodruff Creek are forecast to flow 9,500 and 26,000 acre feet during the April-July period.

Logan River is expected to flow 134,000 acre feet (135%- April-July). Blacksmith Fork and Little Bear Rivers are expected to flow 62,000 acre feet (148%).

### WEBER-OGDEN RIVERS

The Water Supply Outlook for the Weber and Ogden Rivers is excellent. Snow cover is 111 to 152% of average. Reservoir storage is near or above average and streamflow forecasts range from 120 to 189% of average for the April-June period.

## WATER SUPPLY OUTLOOK (continued)

Mountain precipitation was below average during February causing a reduction in snow cover. Snow cover now ranges from 122% of March 1 average on East Canyon Creek to 189% on Chalk Creek. The Ogden River is 161% and the upper Weber 136% of average.

Storage in Pineview Reservoir is now 24,400 acre feet and Causey had 1,900 acre feet on March 1. East Canyon had 39,000 acre feet, Echo had 61,800 acre feet and Rockport had 21,300 acre feet. Lost Creek had 13,800 acre feet and Willard Bay 185,000 acre feet on March 1. Pineview was drawn down for construction and has been storing winter flow while Weber River Reservoirs have been passing most of the flow on through to allow space for spring runoff.

Forecasts for April-June streamflow are as follows: Pineview Inflow 145,000 acre feet (161%), South Fork Ogden 69,000 acre feet (150%), Lost Creek 21,000 acre feet (181%), Weber at Oakley 127,000 acre feet (136%), Rockport Reservoir Inflow 165,000 acre feet (150%), Chalk Creek 49,000 acre feet (189%), and East Canyon Creek 21,000 acre feet (122%).

### PROVO - UTAH LAKE - JORDAN RIVERS

The Water Supply Outlook for the Provo River- Utah Lake-Jordan River is still "near average" to "above average". Snow cover ranges from 95% of average on American Fork River to 154% on the Oquirrh Mountains above Tooele. Reservoir storage is above average and April-July streamflow is expected to range from average to 70% above average.

Mountain precipitation during February was slightly below average at most stations and as a result snow cover is now 95% of the March 1 average on American Fork, 120% on the upper Provo, about 125% on Spanish Fork, Hobbie Creek, and Strawberry Valley. The creeks along the Wasatch Front near Salt Lake average 116% of the March 1 average. Farmington Creek is 149% and the Oquirrh Mountains above Tooele are 154% of average.

Deer Creek Reservoir now holds 95,000 acre feet (106%) and Strawberry Reservoir 190,800 acre feet (159%). Utah Lake is now 0.4 foot below Compromise at 846,100 acre feet and is expected to reach Compromise by April 1.

Streamflow forecasts for the April-July period range from 104% of average on American Fork to 169% on Hobbie Creek. Farmington Creek is expected to flow 10,400 acre feet (153%), Parley's Creek 14,000 acre feet (149%), Big Cottonwood 35,000 acre feet (106%). The Provo is expected to flow 155,000 acre feet (161%) below Deer Creek Dam, Spanish Fork 44,000 acre feet (142%) and the Inflow to Utah Lake is expected to be 278,000 acre feet during the April-July period. The Inflow to Strawberry Reservoir is expected to be 63,000 acre feet (154%).

# WATER SUPPLY OUTLOOK (continued)

## EASTERN UTAH

### DUCHESNE RIVER - UINTAH BASIN

The Water Supply Outlook for the Duchesne River and Uintah Basin remains above average with good carry-over storage at Steinaker and Strawberry Reservoirs.

Duchesne River forecasts range from 115% near Tabiona to 135% at Randlett of their April-July 1953-67 averages.

A good increase in Moon Lake Reservoir storage, which is now only 79% of March 1 average, (12,400 acre feet) is expected with 69,000 acre feet (104% ave.) streamflow forecast for Lakefork Creek. Starvation Reservoir is filling rapidly, impounding 118,600 acre feet of water compared to 25,500 acre feet, March 1, last year. An excellent streamflow forecast, 143% of average for Strawberry at Duchesne, increases the potential water storage and filling at Starvation Reservoir.

Precipitation for February was below normal, ranging from 69% at Lake Fork Creek to 99% at Lakefork Mountain. October to March 1 total precipitation accumulation, however, remains well above average, ranging from 108% at Lakefork Creek to 134% for Ashley Creek near Vernal.

Snow pack for the entire Uintah Basin remained above normal reaching 128% on the Duchesne River and 136% for the north slope of the High Uintas.

### PRICE, MUDDY & SAN RAFAEL RIVERS

The April-July water supply outlook for Price, Muddy and San Rafael Rivers remains above average with good reservoir carry-over storage at Scofield and Joe's Valley Reservoirs. Snow cover remains above average at 120% of the March 1 average for the Price and San Rafael rivers with 125% for the Muddy River. The LaSal Mountains near Moab is 109% of average with 98% for the Blue Mountain snow courses, Buckboard Flat and Camp Jackson.

Precipitation for February was "spotty" ranging from 89% (Price River) to 142% for the San Rafael River. October 1 to March 1 accumulative precipitation remain above average with good prospects of an adequate water supply for the coming season.

Scofield Reservoir contained 201%, 43,200 acre feet, of its March 1 average storage capacity. Joe's Valley storage is near normal with 39,900 acre feet of storage capacity compared to 43,500 acre feet, March 1, 1970. Inflow to Scofield is forecast at 125% of average (40,000 acre feet).

Cottonwood Creek near Orangeville, Ferron Creek near Ferron and Huntington Creek near Huntington April-July streamflow forecasts are respectively; 44,000 a.f. (100%), 37,000 a.f. (112%), 46,000 a.f. (110%). The Price River ranged from 112% of average on Gooseberry Creek near Scofield (11,200 a.f.) to 139% Price near Heiner (75,000 a.f.).

Water supplies for the Muddy Creek near Emery are excellent with 23,000 a.f. 142% of average. The San Juan near Bluff, Utah is expected to flow 727,000 a.f. during the April-July runoff period. This is slightly below average.



# WATER SUPPLY OUTLOOK (continued)

## CENTRAL AND SOUTHERN UTAH

The Water Supply Outlook for Central and Southern Utah ranges from "near average" on the Virgin and Upper Sevier to "well above average" on Salina Creek and the Lower Sevier River. Snow cover was reduced by a drier than average February at many mountain stations and now ranges from average to 134% of average. Reservoir storage is well above average. Streamflow forecasts range from 93% on the Sevier below Piute to 136% for Chalk Creek near Fillmore for the April-July period.

### SEVIER RIVER

The water supply outlook on the Sevier River is excellent for water users with reservoir storage and "near average" for those on direct flow.

Snow cover on the Upper Sevier is 123% of the March 1 average and 105% on the East Fork of the Sevier. Salina Creek snow cover is 134% of average and the San Pitch ranges from 112% to 122%. Clear Creek and Chalk Creek have 127% of March 1 average snow cover.

Reservoir storage on the Sevier is better than twice average with 46,800 acre feet (203%) in Otter Creek, 50,000 acre feet (141%) in Piute and 218,200 acre feet (270%) in Sevier Bridge. Winter flow into Sevier Bridge has been very good with a total inflow for the October 1 - March 31 expected to be 110,000 - 120,000 acre feet.

Forecasts for the April-July period range from 90% of average on Antimony Creek to 174% (54,000 acre feet) for the Sevier at Gunnison. Salina Creek is expected to flow 11,500 acre feet (195%) for the April-June period and Chalk Creek 17,900 acre feet (136%) April-July. The Sevier is expected to flow 34,000 acre feet (103%) at Hatch, 28,000 acre feet (104%) at Circleville and 15,500 acre feet (101%) at Kingston. The East Fork is forecast to flow 12,000 acre feet (102%) and Clear Creek 16,400 acre feet (131%).

### BEAVER RIVER

The water supply outlook for the Beaver River is "above average". Snow cover although reduced from a month ago is still 117% of the March 1 average and Minersville Reservoir is above average with 16,900 acre feet of stored water. The Beaver River is forecast to flow 24,000 acre feet (127%) during the April-July period and Minersville Reservoir should receive about 5,000 acre feet inflow (106%).

### COAL CREEK-PARAWAN CREEKS - VIRGIN RIVER

The Water Supply Outlook for Coal Creek, Parawan Creeks and the Virgin River is "near average". Snow cover is 110% on Coal Creek, 117% on Parawan Crk. and is 111% on the Virgin River but is only 77% west of Cedar City on the New Castle to New Harmony drainages. Coal Creek is forecast to flow 15,100 acre feet (109%) during the April-July period. The Virgin is forecast to flow 40,000 acre ft. (105%) at Virgin during the April-June runoff period. The Santa Clara is expected to flow less than average this year.

**RESERVOIR STORAGE (Thousand Acre Feet)** END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
	<u>GREAT BASIN</u>				
<u>Bear River</u>	Bear Lake	1421.0	1095.2	1134.9	871.4
	Woodruff Narrows	26.5	26.5	21.9	17.8b
<u>Beaver River</u>	Minersville(Rky Fd)	23.3	16.9	21.1	10.6
<u>Little Bear</u>	Hyrum	15.3	10.6	10.5	11.0
	Porcupine	11.3	6.3	3.4	- -
<u>Ogden</u>	Causey	7.1	1.9	1.1	- -
	Pineview	110.1	24.4	59.9	26.9
<u>Provo</u>	Deer Creek	149.7	95.00	86.1	89.3
<u>Sevier River</u>	Gunnison	18.2	17.3	17.6	- -
	Otter Creek	52.5	46.8	52.7	23.0
	Piute	71.8	50.0	68.8	35.4
	Sevier Bridge	236.0	218.2	224.4	80.7
<u>Spanish Fork</u>	Strawberry	270.0	190.8	193.0	120.0
<u>Utah Lake</u>	Utah Lake	883.9	846.1	869.7	558.4
<u>Weber</u>	East Canyon	48.1	39.0	38.5	11.2
	Echo	73.9	61.8	59.5	35.7
	Lost Creek	20.0	13.8	13.5	- -
	Rockport	60.9	21.3	19.0	23.8
	Willard Bay	193.3	185.0	118.8	- -
	<u>COLORADO RIVER DRAINAGE</u>				
<u>Ashley Creek</u>	Steinaker	33.3	23.9	23.7	- -
<u>Colorado</u>	Blue Mesa	829.5	421.0	993.6	- -
	Lake Powell	25002.0	12414.0	9439.0	5138.0
<u>Green</u>	Flaming Gorge	3749.0	1807.0	1487.0	1248.0
<u>Lake Fork</u>	Moon Lake	35.8	12.4	13.5	15.7
<u>Price River</u>	Scofield	65.8	43.5	51.4	21.5
<u>San Rafael</u>	Joe's Valley	54.6	39.9	43.5	- -
<u>San Juan</u>	Navajo	1696.4	852.0	924.9	- -
<u>Strawberry</u>	Starvation	165.3	118.6	25.5	- -



## STREAMFLOW FORECASTS

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>BEAR RIVER SYSTEM</u>					
Bear at Harer, Idaho	430	190	Apr-Sept		226
Bear at Randolph	160	219	Apr-July		73
Bear nr Ut-Wyo State Line	146	138	Apr-July		106
Bear nr Woodruff	190	183	Apr-July		104
Big Crk nr Randolph, Utah	9.5	198	Apr-July		4.8
Blacksmith Fork nr Hyrum	62	148	Apr-July		42
Little Bear nr Paradise	62	148	Apr-June		42
Logan nr Logan (1)	134	135	Apr-July		99
Smith's Fork nr Border, Wyoming	170	157	Apr-Sept		108
Woodruff Crk nr Woodruff, Utah	26	193	Apr-July		13.5
<u>WEBER-OGDEN RIVERS</u>					
Chalk Crk at Coalville	49	189	Apr-June		26
East Canyon Crk nr Morgan (2)	21	122	Apr-June		17.2
Hardscrabble Crk nr Porterville	20	148	Apr-June		13.5
Lost Crk nr Croydon, Utah	21	181	Apr-June		11.6
Pineview Reservoir Inflow (3)	145	161	Apr-June		90
South Fork Ogden nr Huntsville	69	150	Apr-June		46
Rockport Reservoir Inflow (4)	165	150	Apr-June		110
Weber nr Coalville (5)	152	152	Apr-June		100
Weber nr Oakley	127	136	Apr-June		93
<u>PROVO RIVER &amp; UTAH LAKE</u>					
American Fork nr American Fork	27	104	Apr-July		26
Hobble Crk nr Springville	22	169	Apr-July		13.0
Provo nr Hailstone (6)	129	148	Apr-July		87
Provo below Deer Crk Dam (7)	155	161	Apr-July		96
Spanish Fork at Thistle	44	142	Apr-July		31
Strawberry Reservoir Inflow (8)	63	154	Apr-July		41
Utah Lake Inflow	278	143	Apr-July		195
<u>JORDAN RIVER &amp; SALT LAKE</u>					
Big Cottonwood nr SLC	38	112	Apr-July		34
Farmington Crk nr Farmington	10.4	153	Apr-July		6.8
Little Cottonwood Crk nr SLC	35	106	Apr-July		33
Parley's Crk nr SLC	14.0	149	Apr-July		9.4
Footnotes - See last page					

## STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
BASIN STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>SEVIER RIVER</u>					
Chalk Creek nr Fillmore	17.9	136	Apr-July		13.2
Clear Crk nr Sevier (above Div.)	16.4	131	Apr-July		12.5b
East Fork Sevier nr Kingston (9)	12.0	102	Apr-July		11.7
Antimony Crk nr Antimony	7.0	90	Apr-July		7.8b
Inflow					
Kingston to Vermillion Dam	34	113	Apr-June		30 b
Vermillion Dam to Gunnison	51	113	Mar-June		45 b
Salina Crk at Salina (10)	11.5	195	Apr-June		5.9*
Sevier nr Circleville	28	104	Apr-July		27
Sevier nr Gunnison	54	174	Apr-July	68	31 b
Sevier at Hatch	34	103	Apr-July	22	33
Sevier nr Kingston	15.5	101	Apr-July	6.7	15.4
Sevier below Piute Dam (11)	27	93	Apr-July		29
<u>SAN PITCH RIVER</u>					
Ephraim Creek nr Ephraim	18.0	130	Apr-July		13.9b
Pleasant Crk nr Mt. Pleasant	10.0	128	Apr-July		7.8b
<u>BEAVER RIVER</u>					
Beaver nr Beaver	24	127	Apr-July	23	18.9
Rockyford Reservoir Inflow (12)	5.0	106	Apr-June		4.7
<u>COAL CREEK</u>					
Coal Crk nr Cedar City	15.1	109	Apr-July		13.8
<u>COLORADO RIVER BASIN</u>					
Green River Tributaries in Utah					
<u>FLAMING GORGE TO DUCHESNE RIVER</u>					
Ashley Creek nr Vernal	56	127	Apr-July		44
Henry's Fork at Linwood	50	131	Apr-Sept		38
Footnotes: See last page					

## STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
BASIN STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>DUCHESNE RIVER</u>					
Duchesne nr Tabiona (13)	108	115	Apr-July		94
Duchesne at Duchesne (13)	191	114	Apr-July		167
Duchesne at Myton (16)	306	126	Apr-July		243
Duchesne at Randlett (16)	354	135	Apr-July		262
Strawberry at Duchesne	70	143	Apr-July		49
Rock Crk nr Mtn. Home	107	122	Apr-July		88
Lakefork below Moon Lake (14)	69	104	Apr-July	51	66
Yellowstone nr Altonah	69	117	Apr-July		59
Uinta nr Neola	85	108	Apr-July		79
Whiterocks nr Whiterock	60	118	Apr-July	55	51
<u>PRICE RIVER</u>					
Gooseberry Crk nr Scofield	11.2	112	Apr-July		10.0
Price nr Heiner (15)	75	139	Apr-July		54
Scofield Reservoir Inflow (15)	40	125	Apr-July		32
<u>SAN RAFAEL RIVER</u>					
Cottonwood Crk nr Orangeville	44	100	Apr-July		44
Ferron Crk nr Ferron	37	112	Apr-July		33
Huntington Crk nr Huntington	46	110	Apr-July		42
<u>MUDDY RIVER</u>					
Muddy Creek nr Emery	23	142	Apr-July		16.2b
<u>VIRGIN RIVER</u>					
Virgin nr Virgin	40	105	Apr-June	21	38
<u>UPPER COLORADO BASIN</u>					
Colorado nr Cisco, Utah (15)	2605	93	Apr-July	4066	2802
Flaming Gorge Inflow (3)	1660	157	Apr-July	985	1054
Lake Powell Inflow (3)	7180	110	Apr-July	8220	6527
Green at Green River, Utah (15)	3635	141	Apr-July	2970	2574
San Juan nr Bluff, Utah (15)	727	81	Apr-July	698	890
Navajo Reservoir Inflow	470	76	Apr-July	446	619
Footnotes: See last page					

# PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
<u>NORTHERN UTAH</u>		
Big Creek near Randolph	66 - 106	43
Big Cottonwood Creek near SLC	350 - 525	310
Hobble Creek near Springville	150 - 420	180
Spanish Fork near Thistle	275 - 765	307
So. Fork Ogden River nr Huntsville	750 - 1000	643
<u>EASTERN UTAH</u>		
Ferron Creek near Ferron	465 - 775	414
Muddy Creek near Emery	175 - 300	142
Strawberry River at Duchesne	700 - 1100	558
<u>SOUTHERN and CENTRAL UTAH</u>		
Beaver River near Beaver	135 - 350	215
Clear Creek near Sevier	160 - 180	156b
Coal Creek near Cedar City	240 - 340	217
Salina Creek near Salina	225 - 275	133*
Sevier River at Hatch	300 - 500	370
Sevier River at Circleville	210 - 420	292
Sevier River at Kingston	190 - 285	223
Virgin River at Virgin	440 - 900	557
*Highly abnormal weather during the critical melting period may cause the peak to be outside the indicated range.		

# FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Clear Creek nr Sevier (above Div.)	5	July 25	July 19
Salina Creek at Salina	25	June 12	June 10
Sevier at Circleville (Circle Valley)	90	June 18	June 24
Sevier at Hatch (upper)	100	July 1	July 10

WSFB-X10-L

## PRIMARY WATER RIGHT FORECASTS (PERCENT OF WATER RIGHT DELIVERED)

RIVER SECTION	Percent Forecast For This Year	Average Percent Delivered During 15 year Period†	Forecast Period
<u>Sevier River</u>			
Below Vermillion Dam	60	58	Apr-Sept
Circle Valley	70	66	Apr-Sept
Panguitch Valley	85	84	Apr-Sept
Sevier Valley	40	40	Apr-Sept

## OTHER SPECIAL FORECASTS

Below Vermillion - Flow above 360 second feet should total about  
3,000 - 3,500 acre feet.

Inflow to Sevier Bridge Reservoir from October 1 to March 31 is  
expected to be 110,000 - 120,000 acre feet.



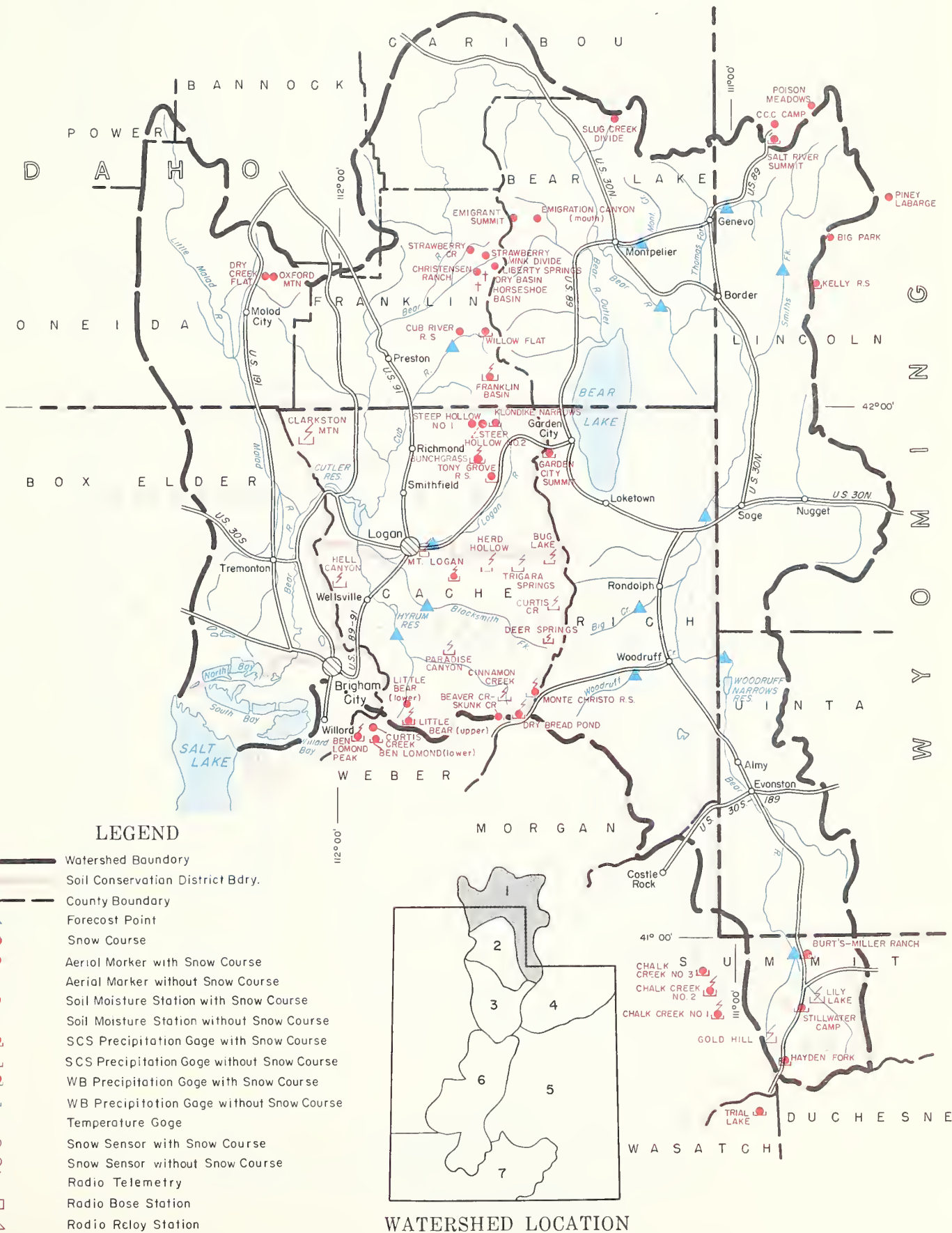
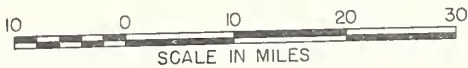
# SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF:	
		Last Year	Average
<u>BEAR RIVER</u>			
Bear River So. of Evanston, Wyoming	2	148	134
Blacksmith Fork - Little Bear River	5	148	149
Cub River (Idaho)	2	161	141
Emigration Creek (Idaho)	2	141	160
Logan River	5	144	147
Malad River	2	189	157
Smith's Fork of Bear River (Wyo)	5	162	154
Strawberry-Mink Creeks	3	159	153
<u>WEBER-OGDEN RIVERS</u>			
Chalk Creek above Coalville	3	145	137
East Canyon Creek	2	105	111
Farmington Creek	2	126	149
Ogden River	5	149	148
Weber River above Coalville	8	129	126
<u>UTAH LAKE, JORDAN RIVER &amp; TOOELE VALLEY</u>			
American Fork River	3	125	95
Hobble Creek	2	139	126
Mt. Nebo Area	2	107	116
Provo River above Deer Creek Dam	6	148	120
Salt Lake Area	3	106	116
Spanish Fork River	5	116	125
Strawberry Reservoir Valley	3	131	124
Tooele Area	1	134	154
<u>SEVIER RIVER</u>			
Beaver River	3	110	117
Chalk Creek near Fillmore	2	125	127
Chicken Creek near Levan	1	124	152
Clear Creek above Sevier	1	109	127
East Fork Sevier River	6	125	105
Ephraim Creek	2	117	119
Manti Creek	-	- -	- -
Mt. Pleasant Area	2	118	122
Salina Creek	2	104	134
Sevier River above Panguitch	5	278	123
Twelve Mile Creek near Mayfield	2	109	112

**SUMMARY of SNOW MEASUREMENTS** (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF:	
		Last Year	Average
<u>UINTAH BASIN &amp; NORTH SLOPE UINTAH MOUNTAINS</u>			
Ashley-Brush Creeks	4	164	127
Black's Fork & Smith's Fork Rivers	4	125	134
Duchesne River above Tabiona	3	147	128
Henry's Fork River & Sheep Creek	2	123	136
Lakefork River	2	197	121
Strawberry River	4	146	120
Uintah-Whiterocks Rivers	3	154	122
<u>CARBON, EMERY, WAYNE, GRAND &amp; SAN JUAN COUNTIES</u>			
Blue Mountains near Monticello	2	183	98
Fremont River	4	89	111
LaSal Mountains near Moab	2	105	109
Muddy River	-	- -	- -
Price River	6	125	120
San Rafael River	7	117	115
<u>EAST GARFIELD, KANE, WASHINGTON &amp; IRON COUNTIES</u>			
Coal Creek near Cedar City	3	180	110
Escalante River	3	151	100
New Harmony to Newcastle	2	76	77
Paria River	1	272	204
Parowan Creek	3	157	117
Virgin River	4	246	111

# BEAR RIVER BASIN



WATERSHED LOCATION

# INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
UPPER BEAR RIVER (above Harer, Idaho)						
10G11	W	Big Park	7	27N	117W	8,700
10J6P	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	11	1N	9E	10,000
10J7P	U	Hayden Fork	25	1N	9E	9,400
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10J35p	U	Lily Lake	34	2N	10E	9,300
11H12P	U	Monte Cristo R.S.	4	8N	4E	8,960
10G10	W	Piney LaBarge x	19	29N	114W	8,820
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10J17P	U	Stillwater Camp	32	2N	10E	8,550
LOWER BEAR RIVER (below Harer, Idaho)						
11H14M	U	Beaver Creek-Skunk Creek x	22	8N	3E	7,150
11H37p	U	Bug Lake	18	11N	5E	7,950
11H36p	U	Bunchgrass	5	13N	3E	8,400
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mtn.	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11H33P	U	Curtis Creek	12	10N	4E	8,450
11H39p	U	Deer Springs	34	10N	4E	8,400
11G14a	I	Dry Basin	30	13S	42E	7,900
11H13MP	U	Dry Bread Pond x	19	8N	4E	8,230
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8MP	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600
12H2p	U	Hell Canyon	24	11N	2W	6,400
11H40p	U	Herd Hollow	4	11N	3E	7,000
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,420
11H26	U	Little Bear (lower)	15	8N	1E	6,000
11H25P	U	Little Bear (upper)	22	8N	1E	6,550
11H6	U	Mt. Logan	3	11N	2E	9,000
12G3	I	Oxford Mountain	32	13S	37E	6,800
11H46p	U	Paradise Canyon	36	10N	2E	7,650
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H3M	U	Tony Grove Ranger Station	11	13N	3E	6,250
11H41p	U	Trigara Springs	29	12N	4E	7,600
11G4P	I	Willow Flat	2	15S	41E	6,100

## LEGEND

Numbering system (example)

10J7	Snow Course Only
10J7m	Soil Moisture Station Only
10J7a	Aerial Marker Only
10J7p	Precipitation Gage Only
10J7s	Snow Sensor Only
10J7T	Temperature Gage Only
10J7A	Snow Course and Aerial Marker
10J7M	Snow Course and Soil Moisture Station
10J7P	Snow Course and Precipitation Gage
10J7MA	Snow Course and Soil Moisture Station and Aerial Marker
10J7MP	Snow Course and Soil Moisture Station and Precipitation Gage
10J7S	Snow Course and Snow Sensor
x	Adjacent Drainage
*	Radio Telemetry



## BEAR RIVER BASIN

## SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
					Last Year	Average †
<b>UPPER BEAR RIVER</b> <u>(Above Harer, Idaho)</u>						
Big Park x	8700	2/26	78	26.0	16.5	16.8
CCC Camp x	7500	2/26	56	17.3	9.1	10.2
Chalk Creek #1 x	9100	2/23	72	24.4	15.7	17.7*
Chalk Creek #2 x	7900	2/23	49	15.3	10.8	11.1
Chalk Creek #3 x	7500	2/23	30	8.1	6.5	6.1
Kelly Ranger Station	8200	2/26	69	22.3	15.0	15.2*
Monte Cristo R. S.	8960	2/25	92	34.4	19.6	20.2*
Piney LaBarge #2	8820	2/27	82	28.6	18.2	- -
Poison Meadows x	8500	2/27	106	36.6	26.4	24.4*
Salt River Summit x	7900	2/25	66	21.6	12.7	13.3
Smith & Morehouse x	7600	2/24	41	13.0	9.1	10.1
Trial Lake x	9800	2/26	84	28.5	18.9	20.7
<b>LOWER BEAR RIVER</b> <u>(Below Harer, Idaho)</u>						
Beaver Creek-Skunk Creek	7150	2/25	38	12.8	10.2	9.6
Christensen Ranch	5600	2/23	35	10.6	4.9	7.3*
Cub River R. S.	5400	2/23	33	10.2	7.4	7.5*
Dry Bread Pond x	8230	2/25	59	20.7	14.4	14.3
Dry Creek Flat	6350	3/1	32	10.8	3.3	6.2*
Emigration Canyon	6500	2/24	41	13.0	9.8	8.6*
Emigrant Summit	7350	2/24	82	31.6	21.8	19.2*
Garden City Summit	7600	2/25	67	20.8	15.2	15.1
Klondike Narrows	7400	2/22	70	25.2	16.8	16.7b
Little Bear (lower)	6000	2/24	36	11.8	7.3	7.6b
Little Bear (upper)	6550	2/24	41	13.4	9.6	9.4b
Monte Cristo R. S.	8960	2/25	92	34.4	19.6	20.2*
Oxford Mountain	6800	3/1	39	11.5	8.6	8.0*
Slug Creek Divide	7225	2/24	55	19.4	14.8	13.1*
Steep Hollow #1	8500	2/22	120	45.8	30.0	29.4b
Steep Hollow #2	7700	2/22	87	31.2	23.0	22.4b
Strawberry Creek	5800	2/23	41	12.4	6.3	9.3*
Strawberry Mink Divide	6800	2/23	73	25.8	15.7	17.2*
Tony Grove R. S.	6250	2/22	42	14.1	10.0	9.5
Willow Flat	6100	2/23	53	18.3	10.3	12.7*
Liberty Spring	8600	2/22	123	46.9	32.3	- -

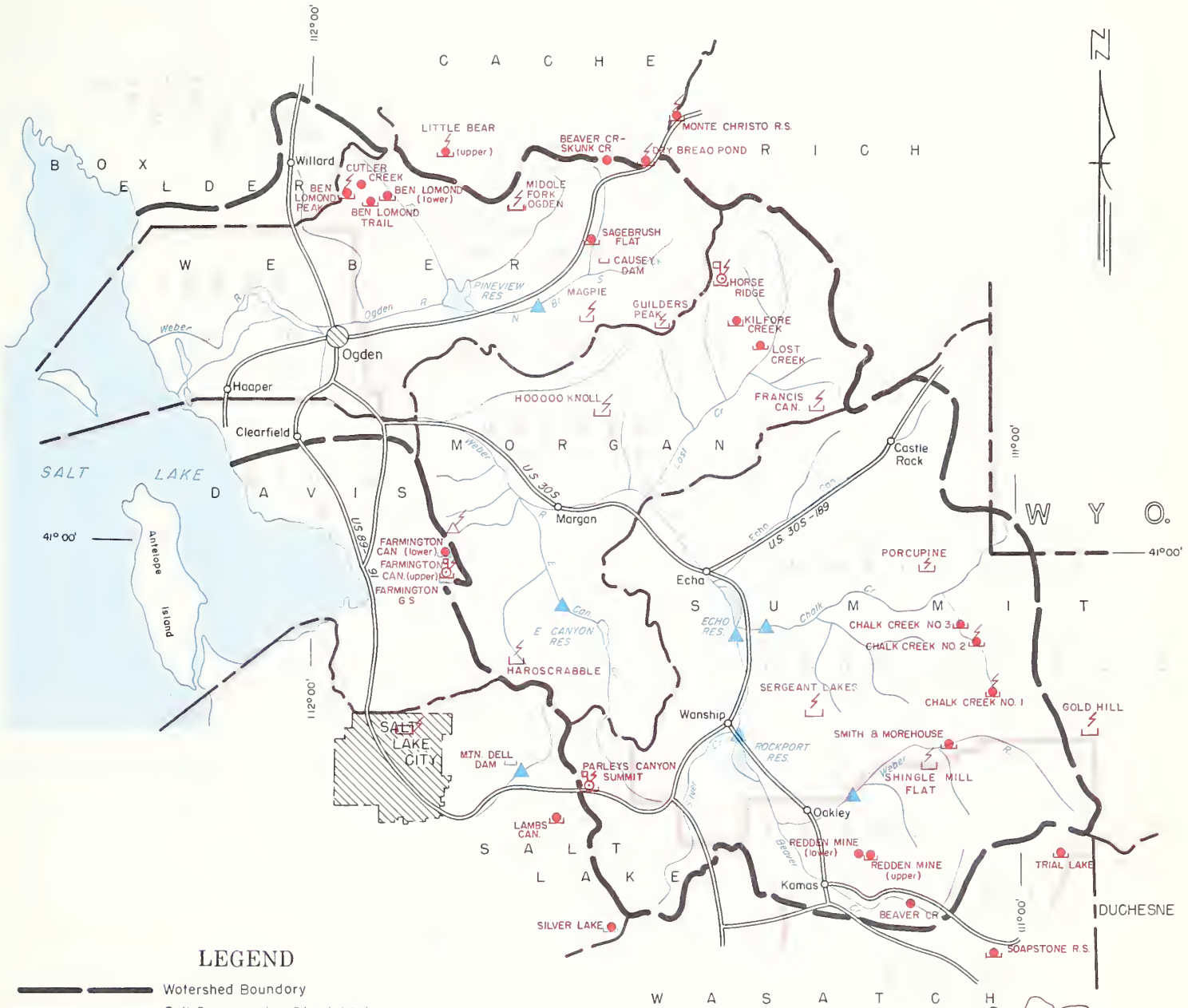
Footnotes - See last page





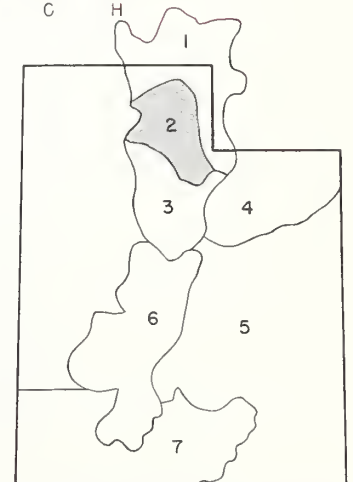
# WEBER - OGDEN WATERSHEDS

10 0 10 20 30  
SCALE IN MILES



## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker with Snow Course
- Aerial Marker without Snow Course
- Soil Moisture Station with Snow Course
- Soil Moisture Station without Snow Course
- SCS Precipitation Gage with Snow Course
- SCS Precipitation Gage without Snow Course
- WB Precipitation Gage with Snow Course
- WB Precipitation Gage without Snow Course
- Temperature Gage
- Snow Sensor with Snow Course
- Snow Sensor without Snow Course
- Radio Telemetry
- Radio Base Station
- Radio Relay Station



WATERSHED LOCATION

# INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
OGDEN RIVER						
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8P *	U	Ben Lomond Peak	3	7N	1W	8,000
11H9P	U	Ben Lomond (lower)	1	7N	1W	6,000
11H30P	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H29	U	Cutler Creek	3	7N	1W	6,780
11H13MP	U	Dry Bread Pond	19	8N	4E	8,230
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H42p	U	Magpie	29	6N	3E	7,700
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H12P	U	Monte Cristo R.S. x	4	8N	4E	8,960
11H15P	U	Sagebrush Flat	21	7N	3E	6,300

WEBER RIVER						
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1P	U	Chalk Creek #1	4	1N	8E	9,100
11J2MP	U	Chalk Creek #2	17 & 20	2N	8E	7,900
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500
11J12P	U	Farmington Canyon (lower) x	14	3N	1E	6,950
11J11PTS*	U	Farmington Canyon (upper) x	26	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J37p	U	Hardscrabble	16	2N	2E	6,500
11H43p	U	Hoodoo Knoll	22	5N	3E	8,350
11H21PT	U	Horse Ridge	1	6N	4E	8,260
11H31P	U	Kilfore Creek	20	6N	5E	7,300
11J14	U	Lamb's Canyon x	19	1S	3E	6,600
11H32P	U	Lost Creek	27	6N	5E	6,125
11J15PTS*	U	Parley's Canyon Summit	5	1S	3E	7,500
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Redden Mine (lower)	1	2S	6E	8,500
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000
11J39p	U	Sergeant Lakes	17	1N	5E	8,400
11J40p	U	Shingle Mill Flat	15	1S	7E	9,900
11J16P	U	Silver Lake (Brighton) x	35	2S	3E	8,725
11J4P	U	Smith & Morehouse	25	1N	7E	7,600
10J8P	U	Trial Lake x	5	2S	9E	9,800

## LEGEND

Numbering system (example)

10J7	Snow Course Only
10J7m	Soil Moisture Station Only
10J7a	Aerial Marker Only
10J7p	Precipitation Gage Only
10J7s	Snow Sensor Only
10J7T	Temperature Gage Only
10J7A	Snow Course and Aerial Marker
10J7M	Snow Course and Soil Moisture Station
10J7P	Snow Course and Precipitation Gage
10J7MA	Snow Course and Soil Moisture Station and Aerial Marker
10J7MP	Snow Course and Soil Moisture Station and Precipitation Gage
10J7S	Snow Course and Snow Sensor
x	Adjacent Drainage
*	Radio Telemetry

## SNOW

SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>OGDEN RIVER</u>						
Beaver Crk-Skunk Creek	7150	2/25	38	12.8	10.2	9.6
Ben Lomond (lower)	6000	2/23	50	17.0	11.0	11.4b
Ben Lomond Peak	8000	2/23	95	36.2	26.2	26.2b
Ben Lomond Trail	6000	2/23	57	18.2	13.0	11.3b
Cutler Creek	6780	2/23	78	25.7	19.1	20.0b
Dry Bread Pond	8230	2/25	59	20.7	14.4	14.3
Monte Cristo R. S.	8960	2/25	92	34.4	19.6	20.2*
Sagebrush Flat	6300	2/25	17	5.5	3.7	4.0
<u>WEBER RIVER</u>						
Beaver Creek R. S.	7500	2/26	33	9.5	6.2	7.3
Chalk Creek #1	9100	2/23	72	24.4	15.7	17.7*
Chalk Creek #2	7900	2/23	49	15.3	10.8	11.1
Chalk Creek #3	7500	2/23	30	8.1	6.5	6.3
Farmington Canyon (lower)	6950	2/24	68	23.7	18.3	16.9
Farmington Canyon (upper)	8000	2/24	86	32.6	26.4	20.9
Lamb's Canyon x	6600	2/25	50	16.0	15.9	11.6
Parley's Canyon Smt.	7500	2/25	53	17.8	16.3	14.2
Redden Mine (lower)	8500	2/25	56	17.6	11.7	13.9
Redden Mine (upper)	9000	2/25	58	20.1	12.9	15.5
Silver Lake x	8725	2/26	58	19.1	18.9	18.9
Smith & Morehouse	7600	2/24	41	13.0	9.1	10.1
Trial Lake x	9800	2/26	84	28.5	18.9	20.7
Horse Ridge	8260	2/26	81	27.0	19.3	- -
Kilfore Creek	7300	2/26	54	15.9	12.8	- -
Footnotes - See last page						

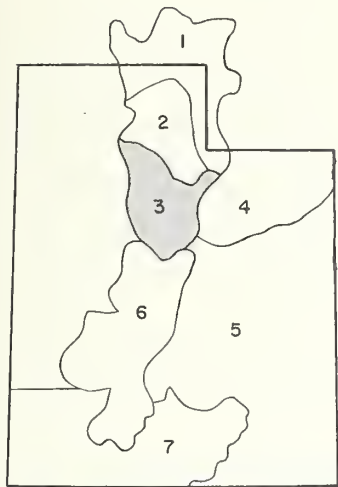
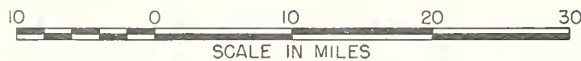


### PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<b>OGDEN RIVER</b>							
Ben Lomond (lower)	5850	2/23	2.27	4.39b	28.95	19.85*	146
Ben Lomond Trail	6000	2/23	2.34	4.41b	31.75	21.48*	148
Causey Dam	5500	2/25	1.46	1.92b	13.61	12.58*	108
Dry Bread Pond	8230	2/25	2.48	4.47*	29.55	16.22*	182
Monte Cristo #2 x (WB)	8960	2/25	2.93	4.94b	33.53	19.68	170
Sagebrush Flat	6300	2/25	1.50	2.48b	16.85	10.76	156
<b>WEBER RIVER</b>							
Chalk Creek #1	9100	3/1	3.51	- -	- -	- -	- -
Chalk Creek #2	8000	3/1	3.20	3.02b	- -	11.82*	- -
Chalk Creek #3	7500	2/23	1.72	1.82b	14.59	10.19b	143
Farmington G.S.	7500	2/24	3.29	4.69	32.40	21.73	149
Farmington Rice	7000	2/24	3.49	4.38	27.11	19.73	137
Parley's Canyon Smt.	7500	2/25	5.18	3.94	22.28	15.58	143
Redden Mine (upper)	9000	2/25	- -	- -	23.33	- -	- -
Silver Lake (Brighton)	8725	2/28	3.96	3.40	26.52	19.11	139
Smith & Morehouse	7600	2/24	1.89	3.19b	18.51	12.98	143
Trial Lake x	9800	2/26	3.03	4.47b	28.41	17.36	164
Horse Ridge	8260	2/26	1.72e	- -	- -	- -	- -
FOOTNOTES - See last page							



# UTAH LAKE, JORDAN RIVER AND TOOEELE VALLEY WATERSHEDS



WATERSHED LOCATION

## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- Aerial Marker with Snow Course
- Aerial Marker without Snow Course
- Soil Moisture Station with Snow Course
- Soil Moisture Station without Snow Course
- SCS Precipitation Gage with Snow Course
- SCS Precipitation Gage without Snow Course
- WB Precipitation Gage with Snow Course
- WB Precipitation Gage without Snow Course
- Temperature Gage
- Snow Sensor with Snow Course
- Snow Sensor without Snow Course
- ⚡ Radio Telemetry
- Radio Base Station
- △ Radio Relay Station



# INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
PROVO RIVER & UTAH LAKE						
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22P	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J23MP	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J7P	U	East Portal	36	7S	6E	7,560
11J22P	U	Hobble Creek Summit	27	7S	5E	7,420
11J36P	U	Lake Creek	36	4S	6E	9,100
11J31	U	Packard Canyon	21	7S	5E	6,400
11K1P	U	Payson R.S.	30	10S	3E	8,050
11K2	U	Rock Bridge	14	10S	2E	6,750
11J25P	U	Soapstone R.S.	9	3S	8E	7,800
11J19	U	South Fork R.S.	24	4S	2E	6,100
11J8	U	Strawberry Divide	34 & 35	7S	6E	8,000
11J18P	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21P	U	Timpanogos Divide	33	4S	3E	8,140
10J8P	U	Trial Lake	5	2S	9E	9,800

## JORDAN RIVER & GREAT SALT LAKE

12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5p	U	Deseret Peak	15	4S	7W	9,250
11J12P	U	Farmington Canyon (lower)	14	3N	1E	6,950
11J11	U	Farmington Canyon (upper)	26	3N	1E	8,000
11J41P	U	Lamb's Canyon #2	21	1S	3E	7,400
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J10	U	Mill D South Fork	18	2S	3E	7,400
11J15P	U	Parley's Canyon Summit x	5	1S	3E	7,500
12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
12K2P	U	Vernon Creek	21	10S	5W	7,500

### LEGEND

Numbering system (example)

10J7	Snow Course Only
10J7m	Soil Moisture Station Only
10J7a	Aerial Marker Only
10J7p	Precipitation Gage Only
10J7s	Snow Sensor Only
10J7T	Temperature Gage Only
10J7A	Snow Course and Aerial Marker
10J7M	Snow Course and Soil Moisture Station
10J7P	Snow Course and Precipitation Gage
10J7MA	Snow Course and Soil Moisture Station and Aerial Marker
10J7MP	Snow Course and Soil Moisture Station and Precipitation Gage
10J7S	Snow Course and Snow Sensor
x	Adjacent Drainage
*	Radio Telemetry

DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UTAH LAKE</u>						
Beaver Creek R. S. x	7500	2/26	33	9.5	6.2	7.3
Camp Altamont	7300	2/26	32	10.3	8.9	12.1
Clear Creek Ridge #1	9200	2/23	53	17.8	14.9	14.2b
Clear Creek Ridge #2	8000	2/23	45	14.4	11.2	11.0b
Clear Creek Ridge #3	6600	2/23	31	9.4	8.0	6.2b
Daniels-Strawberry Smt.	8000	2/24	39	13.1	8.0	11.6
Dutchman R. S.	7560	3/1	48	14.6	13.4	14.8b
East Portal	7560	2/26	34	11.0	8.0	8.6
Hobble Creek Summit	7420	2/24	41	13.8	10.0	10.7b
Packard Canyon	6400	2/24	31	10.1	7.2	8.2b
Payson R. S.	8050	2/22	46	15.8	15.8	13.9b
Rock Bridge	6750	2/22	37	11.5	9.7	9.6b
Soapstone R. S.	7800	2/26	49	13.0	10.3	10.5
South Fork R. S.	6100	2/26	12	3.1	2.9	5.0
Strawberry Divide	8000	2/26	59	19.8	15.5	15.1
Timpanogos Cave Camp	5500	2/26	9	1.8	0.0	2.3
Timpanogos Divide	8140	2/26	54	19.0	13.2	19.9
Trial Lake	9800	2/26	84	28.5	18.9	20.7
<u>JORDAN RIVER &amp; TOOELE VALLEY</u>						
Lamb's Canyon	6600	2/25	50	16.0	15.9	11.6
Middle Canyon - Tooele	7000	2/26	48	15.6	11.6	10.1b
Mill D South Fork	7400	2/27	64	19.6	18.2	15.7
Parley's Canyon Smt. x	7500	2/25	53	17.8	16.3	14.2
Silver Lake	8725	2/26	58	19.1	18.9	18.9
Vernon Creek	7500	2/25	33	9.4	4.6	- -

Footnotes - See last Page

Footnotes - See last Page

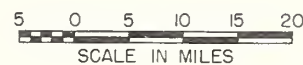




# LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker with Snow Course
- Aerial Marker without Snow Course
- Soil Moisture Station with Snow Course
- Soil Moisture Station without Snow Course
- SCS Precipitation Gage with Snow Course
- SCS Precipitation Gage without Snow Course
- WB Precipitation Gage with Snow Course
- WB Precipitation Gage without Snow Course
- Temperature Gage
- Snow Sensor with Snow Course
- Snow Sensor without Snow Course
- Radio Telemetry
- Radio Base Station
- Radio Relay Station

## UINTAH BASIN & DAGGETT S. C. D's.



# INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
UPPER GREEN RIVER IN UTAH (above Duchesne River)						
9J11aP	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	14	1N	11E	9,700
10J24ap	U	Henry's Fork	29	2N	14E	10,000
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8P	U	Hickerson Park	24	2N	17E	9,100
9J15p	U	Highline Trail	23	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
9J2	U	King's Cabin (lower)	23 & 26	1S	21E	8,600
9J1P	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver Creek	31	3N	16E	8,550
9J10aP	U	Reynolds Park	9	1S	18E	10,400
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20p	U	Steel Creek Park	17	2N	13E	9,900
10J31P	U	Tokewanna Peak	23	1N	11E	9,800
9J12ap	U	Windy Park	1	1S	20E	9,400
DUCHESNE RIVER						
10J27ap	U	Atwood Basin	21	1S	15E	10,250
10J9P	U	Brown Duck Lake	2	2N	6W	10,300
9J14P	U	Burnt Creek	4	1N	20E	7,900
9J9ap	U	Chepeta-Whiterocks Lakes	3	1S	17E	10,300
11J32MP	U	Currant Creek	31	1S	10W	7,800
11J23MP	U	Daniels-Strawberry Summit x	20	2S	12W	8,000
11J7P	U	East Portal x	36	7S	6E	7,560
10J26ap	U	Five Point Lake	28	4N	5W	11,000
9J13P	U	Grizzley Ridge	8	1S	22E	8,500
10K1P	U	Indian Canyon	2	11S	10E	9,100
10J19P	U	Jackson Park	23	3N	4W	11,300
9J6P	U	Julius Park	20	3N	1E	9,800
10J38P	U	Lake Basin	23	3S	8W	10,800
10J25a	U	Lakefork Basin	13	4N	7W	11,100
10J10P	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J11	U	Lakefork Mountain #2	17	2N	4W	8,900
10J12	U	Lakefork Mountain #3	29	2N	4W	8,100
10J29p	U	Lightning Lake	24	4N	8W	10,950
9J5	U	Mosby Mountain	27	2S	18E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J32p	U	Shadow Lake	28	3N	8W	10,150
10J25P	U	Soapstone R.S. x	9	3S	8E	7,800
11J8	U	Strawberry Divide x	34 & 35	7S	6E	8,000
10J8P	U	Trial Lake x	5	2S	9E	9,800
11J35P	U	West Fork of the Duchesne	22	1N	19E	10,250
10K2MP	U	White River #1 x	11	10S	8E	8,550

## LEGEND

Numbering system (example)

10J7	Snow Course Only
10J7m	Soil Moisture Station Only
10J7a	Aerial Marker Only
10J7p	Precipitation Gage Only
10J7s	Snow Sensor Only
10J7T	Temperature Gage Only
10J7A	Snow Course and Aerial Marker
10J7M	Snow Course and Soil Moisture Station
10J7P	Snow Course and Precipitation Gage
10J7MA	Snow Course and Soil Moisture Station and Aerial Marker
10J7MP	Snow Course and Soil Moisture Station and Precipitation Gage
10J7S	Snow Course and Snow Sensor
x	Adjacent Drainage
*	Radio Telemetry

# UTAH BASIN & Daggett SCD's

## SNOW

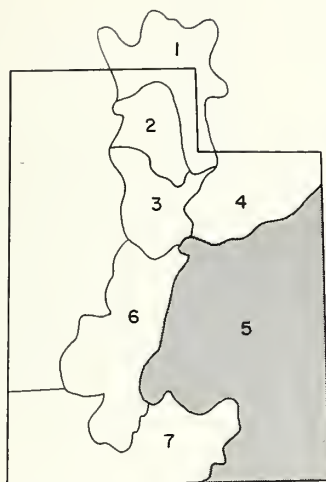
DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UINTAH BASIN SCD</u>						
Daniels-Strawberry Smt. x	8000	2/24	39	13.1	8.0	11.6
East Portal x	7560	2/26	34	11.0	8.0	8.6
Indian Canyon	9100	2/24	40	10.3	6.3	9.3
Julius Park	9800	2/24	42	12.2	8.7	9.4b
King's Cabin (lower)	8600	2/22	32	8.9	5.6	6.8
King's Cabin (upper)	8730	2/22	42	11.3	6.7	7.9
Lakefork Mountain	10200	2/25	42	10.8	6.8	9.0
Lakefork Mountain #2	8900	2/25	30	7.9	2.7	6.4
Lakefork Mountain #3	8100	2/25	29	6.5	2.1	5.4
Mosby Mountain	9500	2/24	34	8.5	5.0	7.9
Paradise Park	10100	2/24	37	11.8	7.4	9.4
Soapstone R. S. x	7800	2/26	49	13.0	10.3	10.5
Strawberry Divide x	8000	2/26	59	19.8	15.5	15.1
Trial Lake x	9800	2/26	84	23.5	18.9	20.7
White River #1	8550	2/26	48	13.8	10.7	10.8b
<u>DAGGETT SCD</u>						
Black's Fork Jct.	8925	2/22	36	9.1	7.4	7.2b
Black's Fork G.S.-East Fk.	9300	2/22	37	9.1	7.7	7.4b
Hewinata Guard Station	9500	2/22	38	9.2	8.3	7.0b
Hickerson Park	9100	2/23	24	6.1	5.6	- -
Spirit Lake	10300	2/23	48	12.7	9.6	9.3b
Steel Creek Park	9900	2/22	62	17.2	12.3	11.8b
Burnt Creek	7900	2/23	26	6.6	- -	- -
Grizzly Ridge	8500	2/23	40	10.5	- -	- -
<u>UINTAH BASIN - Aerial Markers</u>						
Ashley Twin Lakes A	10500	Not Flown			- -	- -
Atwood Basin A	10250				10.1	- -
Buck Pasture A	9700				5.8	- -
Chepeta-Whiterocks Lakes A	10300				- -	- -
Five Point Lake A	11000				6.2	- -
Henry's Fork	10000				9.6	- -
Lakefork Basin A	11100				13.3	- -
Reynolds Park A	10400				- -	- -
Windy Park A	9400				5.3	- -
Footnotes - See last page						





# CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES

10 0 10 20 30 40  
SCALE IN MILES

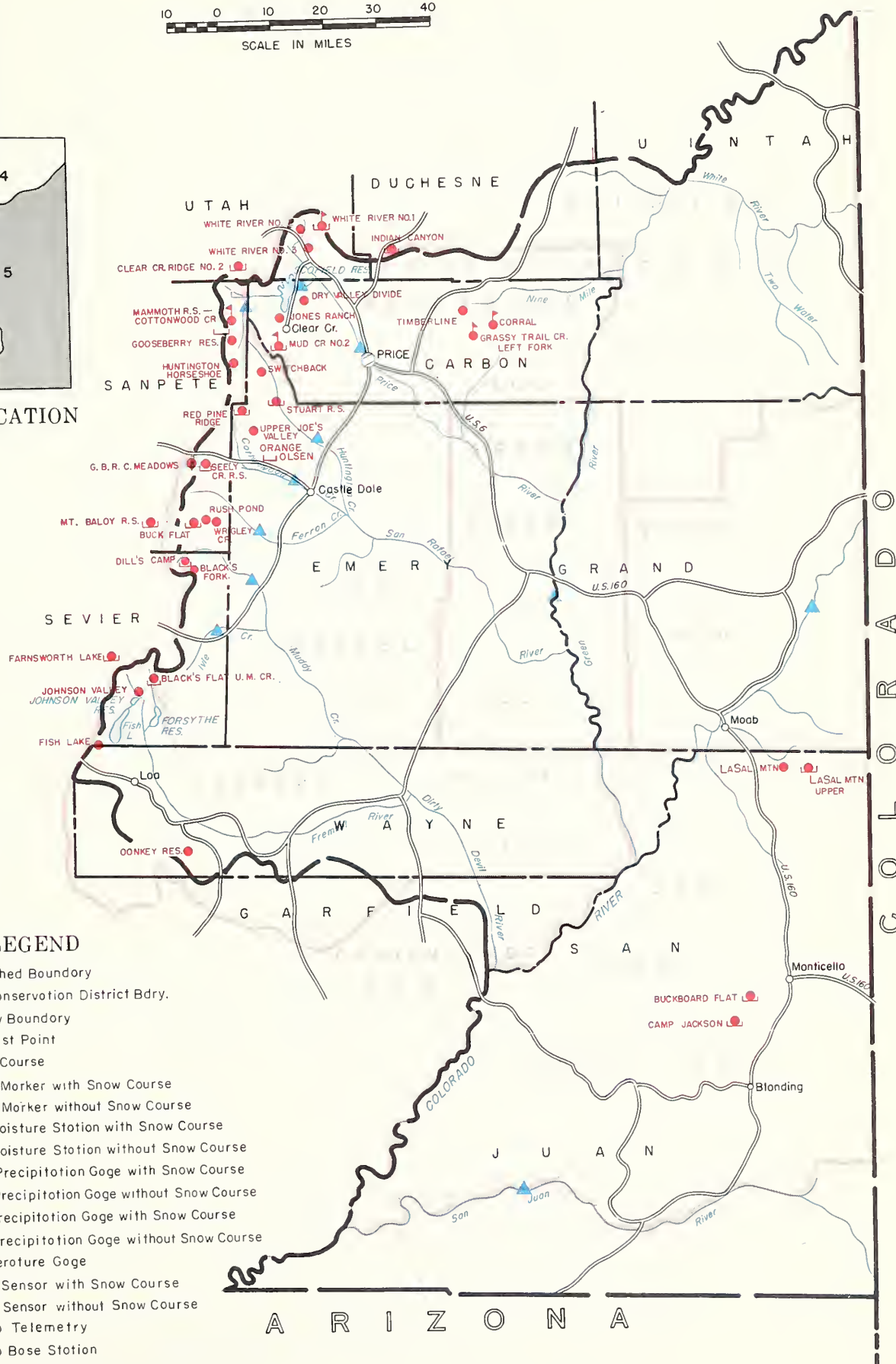


WATERSHED LOCATION



## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- Aerial Marker with Snow Course
- + Aerial Marker without Snow Course
- Soil Moisture Station with Snow Course
- + Soil Moisture Station without Snow Course
- SCS Precipitation Gage with Snow Course
- + SCS Precipitation Gage without Snow Course
- WB Precipitation Gage with Snow Course
- + WB Precipitation Gage without Snow Course
- Temperature Gage
- Snow Sensor with Snow Course
- Snow Sensor without Snow Course
- ⚡ Radio Telemetry
- Radio Base Station
- △ Radio Relay Station



# INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
PRICE RIVER						
10K5M	U	Corral	32	13S	14E	8,200
11K8	U	Dry Valley Divide	20	12S	8E	7,800
11K4P	U	Gooseberry Reservoir	25	13S	5E	8,700
10K3M	U	Grassy Trail Creek-Left Fork	2	14S	13E	7,970
11K5	U	Huntington-Horseshoe	12	14S	5E	9,800
10K1P	U	Indian Canyon x	2	11S	10E	9,100
11K7	U	Jones Ranch	32	12S	7E	7,600
11K3MP	U	Mammoth R.S. - Cottonwood Creek x	13	13S	5E	8,800
11K33MP	U	Mud Creek	4	14S	7E	8,300
10K6	U	Timberline	28	13S	13E	9,100
10K2MP	-U	White River #1	11	10S	8E	8,550
11K24	U	White River #2	9	10S	8E	7,600
11K25	U	White River #3	30	10S	8E	7,400
SAN RAFAEL RIVER						
11K31P	U	Buck Flat	23	19S	4E	9,400
11K4P	U	Gooseberry Reservoir x	25	13S	5E	8,700
11K5	U	Huntington-Horseshoe x	12	14S	5E	9,800
11K28P	U	Red Pine Ridge	5	16S	6E	9,400
11K38	U	Rush Pond	24	19S	4E	9,800
11K9	U	Seeley Creek R.S.	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8 & 9	15S	7E	7,950
11K26	U	Switchback	14	14S	6E	8,600
11K29	U	Upper Joe's Valley	21	16S	6E	8,900
11K32	U	Wrigley Creek	27	19S	5E	9,000
MUDDY RIVER						
11K14	U	Black's Fork	34	20S	4E	9,200
11K15P	U	Dill's Camp	27	20S	4E	9,200
FREMONT RIVER						
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,250
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3P	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850
SOUTHEASTERN UTAH DRAINAGES						
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,400

## LEGEND

Numbering system (example)

10J7	Snow Course Only
10J7m	Soil Moisture Station Only
10J7a	Aerial Marker Only
10J7p	Precipitation Gage Only
10J7s	Snow Sensor Only
10J7T	Temperature Gage Only
10J7A	Snow Course and Aerial Marker
10J7M	Snow Course and Soil Moisture Station
10J7P	Snow Course and Precipitation Gage
10J7MA	Snow Course and Soil Moisture Station and Aerial Marker
10J7MP	Snow Course and Soil Moisture Station and Precipitation Gage
10J7S	Snow Course and Snow Sensor
x	Adjacent Drainage
*	Radio Telemetry

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
					Last Year	Average †
<u>PRICE RIVER</u>						
Dry Valley Divide	7800	2/25	37	11.4	7.2	8.7
Gooseberry Reservoir	8700	2/25	48	16.4	14.0	14.4b
Indian Canyon x	9100	2/24	40	10.3	6.3	9.3
Jones Ranch	7600	2/25	21	6.4	5.0	5.8
Mammoth R.S.-Ctnwood Crk. x	8800	2/25	54	19.0	16.0	14.5b
Mud Creek #2	8300	2/25	45	11.1	11.3	10.4*
White River #1	8550	2/26	48	13.8	10.7	10.8b
White River #2	7600	2/26	36	9.0	7.9	7.5b
White River #3	7400	2/26	27	6.4	8.0	7.1b
<u>SAN RAFAEL RIVER</u>						
Buck Flat	9400	3/3	57	17.1	13.9	12.7b
Gooseberry Reservoir	8700	2/25	48	16.4	14.0	14.4b
Mammoth R.S.-Ctnwood Crk. x	8800	2/25	54	19.0	16.0	14.5b
Red Pine Ridge	9400	3/1	52	14.9	14.2	13.8b
Rush Pond	9800	2/26	54	13.1	10.6	11.4b
Seely Creek R.S.	10000	2/26	39	13.2	12.4	12.0
Upper Joe's Valley	8900	3/1	33	8.6	8.1	8.2b
Wrigley Creek	9000	2/26	46	10.8	7.2	9.0b
<u>MUDDY RIVER</u>						
Black's Fo k	9200	2/24	45	12.2	- -	= -
Dills Camp	9200	2/24	44	11.6	- -	- -
Mt. Baldy R.S. x	9500	2/23	71	20.8	19.2	17.3
<u>FREMONT RIVER</u>						
Black's Flat-U.M. Crk	9250	2/23	48	9.3	10.0	7.7b
Farnsworth Lake x	9900	2/24	68	18.1	17.6	13.4b
Fish Lake	8700	2/23	16	3.9	5.2	4.7b
Johnson Valley	8850	2/23	12	2.8	5.5	4.9b
<u>SOUTHEASTERN UTAH DRAINAGES</u>						
Buckboard Flat	9000	2/22	37	9.7	6.2	9.8b
Camp Jackson	8600	2/23	33	9.0	4.0	9.2b
LaSal Mountain (lower)	8800	2/24	26	7.6	6.9	7.2
LaSal Mountain (upper)	9400	2/24	46	12.6	12.5	11.3b

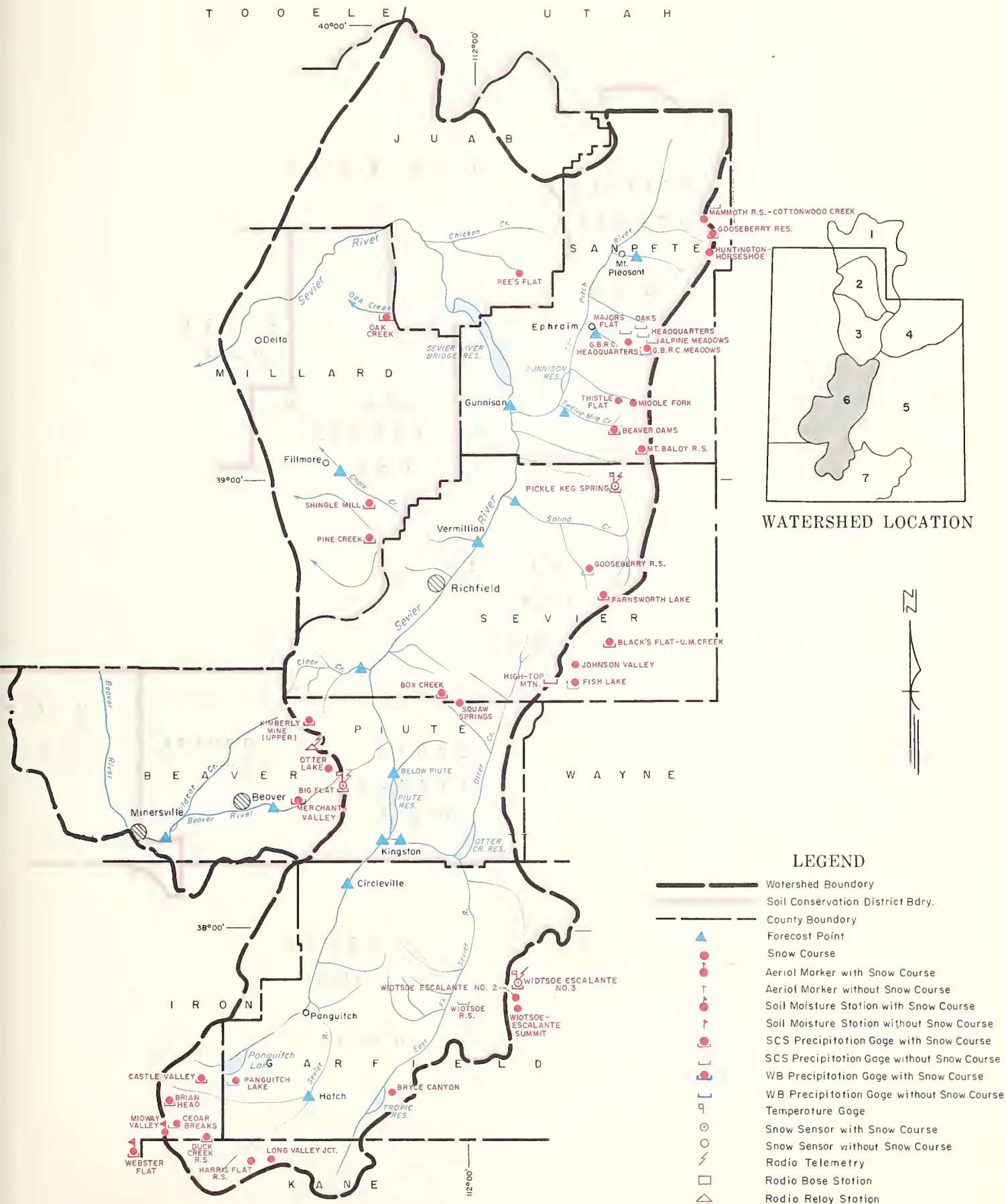
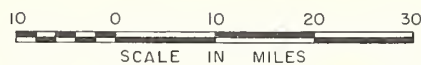
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# SEVIER RIVER BASIN including BEAVER RIVER



WATERSHED LOCATION

## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker with Snow Course
- Aerial Marker without Snow Course
- Soil Moisture Station with Snow Course
- Soil Moisture Station without Snow Course
- SCS Precipitation Gage with Snow Course
- SCS Precipitation Gage without Snow Course
- WB Precipitation Gage with Snow Course
- WB Precipitation Gage without Snow Course
- Temperature Gage
- Snow Sensor with Snow Course
- Snow Sensor without Snow Course
- Radio Telemetry
- Radio Base Station
- Radio Relay Station

# INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
UPPER SEVIER RIVER (South of Richfield, Utah)						
12L7PT	U	Big Flat x	18	29S	4W	10,290
12L4P	U	Box Creek	33	26S	2W	9,800
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13P	U	Castle Valley	23	36S	8W	9,700
12M1P	U	Cedar Breaks	2	37S	9W	10,390
12M4P	U	Duck Creek R.S.	11	38S	8W	8,700
11L3P	U	Fish Lake x	35	26S	1E	8,700
12M5	U	Harris Flat	24	38S	7W	7,700
11L9P	U	High-Top Mountain.	36	25S	1E	11,400
12L6P	U	Kimberly Mine	11	27S	5W	9,300
12M6	U	Long Valley Junction x	22	38S	6W	7,500
12M2M	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12L5	U	Squaw Springs	3	27S	2W	9,300
11M1	U	Widtsøe-Escalante Summit x	22	34S	1W	9,500
11M2 PT	U	Widtsøe-Escalante #2 x	22	34S	1W	9,500
11M3P	U	Widtsøe-Escalante #3 x	22	34S	1W	9,500
11M4P	U	Widtsøe R.S.	22	34S	2W	7,600
LOWER SEVIER RIVER (Including San Pitch River)						
11K13P	U	Beaver Dams	27	19S	3E	8,000
11L1P	U	Farnsworth Lake	27 & 33	23S	2E	9,900
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10	U	G.B.R.C. Meadows	26 & 27	17S	4E	10,000
11L2P	U	Gooseberry R.S.	22	23S	2E	8,400
11K4P	U	Gooseberry Reservoir x	25	13S	5E	8,700
11K5	U	Huntington-Horseshoe x	12	14S	5E	9,800
11K3MP	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
11K2P	U	Oak Creek	9	17S	3W	7,760
11K39 PT	U	Pickle Keg Springs	4	21S	3E	9,600
12L1P	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	20	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	23	18S	3E	8,500
BEAVER RIVER						
12L7PT	U	Big Flat	18	29S	4W	10,290
12L9P	U	Merchant's Valley	8 & 9	29S	5W	8,200
12L8	U	Otter Lake	1	29S	5W	9,300

## LEGEND

Numbering system (example)

10J7	Snow Course Only
10J7m	Soil Moisture Station Only
10J7a	Aerial Marker Only
10J7p	Precipitation Gage Only
10J7s	Snow Sensor Only
10J7T	Temperature Gage Only
10J7A	Snow Course and Aerial Marker
10J7M	Snow Course and Soil Moisture Station
10J7P	Snow Course and Precipitation Gage
10J7MA	Snow Course and Soil Moisture Station and Aerial Marker
10J7MP	Snow Course and Soil Moisture Station and Precipitation Gage
10J7S	Snow Course and Snow Sensor
x	Adjacent Drainage
*	Radio Telemetry

## SNOW

SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
UPPER SEVIER RIVER (South of Richfield, Utah)						
Big Flat x	10290	2/22	55	14.9	14.5	13.0
Box Creek	9800	2/24	40	9.5	9.9	9.4b
Bryce Canyon	8000	2/26	20	4.9	0.0	2.4b
Castle Valley	9700	2/24	48	12.6	6.2	9.8b
Duck Creek R. S.	8700	2/25	37	11.5	2.7	10.2
Fish Lake x	8700	2/23	16	3.9	5.2	4.7b
Harris Flat	7700	2/25	28	8.5	0.2	6.1
Kimberly Mine	9300	2/25	54	13.7	12.6	10.8b
Long Valley Jct. x	7500	2/25	9	2.7	0.0	2.2
Midway Valley	9800	2/24	56	16.0	9.8	16.5b
Panguitch Lake	8200	2/24	13	3.8	0.0	3.1
Squaw Springs	9300	2/24	18	5.7	5.7	5.3b
Widtsoe Escalante Smt.	9500	2/26	17	4.0	2.3	5.3
Widtsoe-Escalante #2	9500	2/26	32	7.0	5.1	6.8
Widtsoe-Escalante #3	9500	2/26	38	9.1	6.5	8.1b
LOWER SEVIER RIVER (Including San Pitch River)						
Beaver Dams	8000	2/23	36	9.2	8.2	9.6
Farnsworth Lake	9900	2/24	68	18.1	17.6	13.4b
G.B.R.C. Headquarters	8700	2/26	50	13.9	11.7	12.7
G.B.R.C. Meadows	10000	2/26	74	23.4	20.2	18.7
Gooseberry R. S.	8400	2/24	48	11.6	10.9	8.8
Gooseberry Reservoir x	8700	2/25	48	16.4	14.0	14.4b
Mammoth R.S.-Ctnwood Crk.	8800	2/25	54	19.0	16.0	14.5b
Mt. Baldy R.S.	9500	2/23	71	20.8	19.2	17.3
Pine Creek	8700	2/26	60	14.3	12.3	12.1b
Rees's Flat	7300	2/22	44	13.5	10.9	8.9b
Shingle Mill	6200	2/27	37	9.4	6.6	6.5b
BEAVER RIVER						
Big Flat	10290	2/22	55	14.9	14.5	13.0
Merchant's Valley	8200	2/22	28	8.0	6.2	6.9
Otter Lake	9300	2/22	49	12.8	11.9	10.6
Footnotes - See last page						

### PRECIPITATION (Inches)

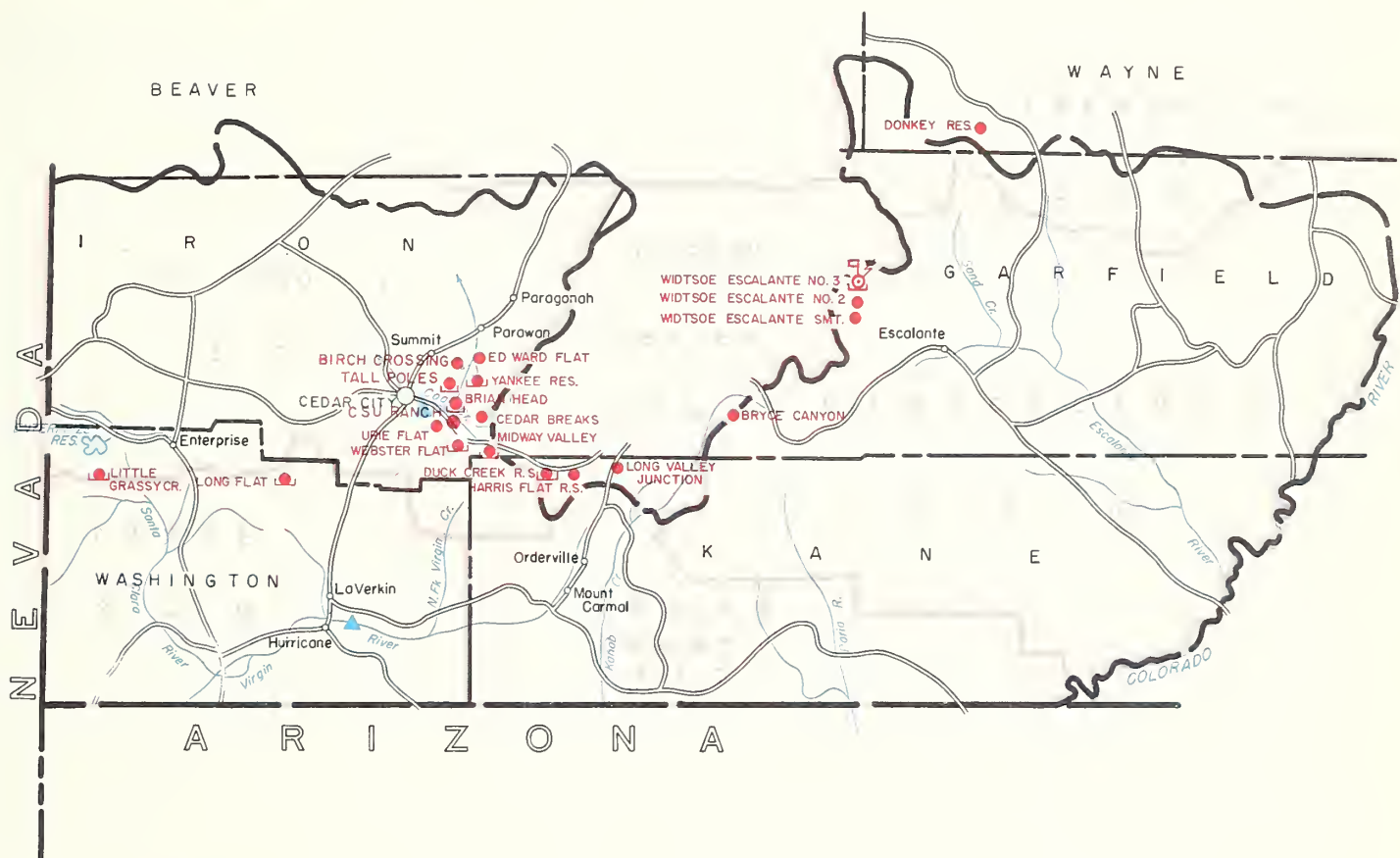
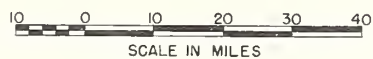
DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
Beaver Dams	8000	2/23	3.95	3.09*	11.75	11.30*	104
Big Flat	10290	2/22	2.45	3.63b	- -	11.86	-
Box Creek	9800	2/24	- -	- -	11.10	10.13b	110
Castle Valley	9700	2/24	- -	- -	12.63	11.30b	112
Duck Creek R.S.	8560	2/25	2.71	3.27b	12.76	13.45*	95
Farnsworth Lake	9900	2/24	5.60	3.75b	- -	13.52b	-
Fish Lake	8700	2/23	- -	- -	7.71	6.38b	121
G.B.R.C. Headquarters	8700	2/26	3.50	3.66	17.35	13.77	126
G.B.R.C. Meadows	10000	2/26	4.22	4.37	22.52	16.41	137
G.B.R.C. Oaks	7655	2/26	1.94	2.61	10.22	9.52	107
Gooseberry R.S.	7800	2/24	3.22	2.87b	14.82	9.56*	155
Gooseberry Reservoir x	8700	2/25	3.00	3.39b	17.14	13.83	124
Kimberly Mine	8900	2/25	3.64	3.24*	16.47	13.08	126
Mammoth R.S. #2 x	8600	2/25	3.40	3.05b	18.19	14.40	126
Mt. Baldy	9500	2/23	- -	3.00*	17.25	12.43	139
Panguitch Lake	8200	2/24	- -	- -	6.53	5.51b	118
Pine Creek	8700	2/26	- -	- -	23.88	16.09b	148
Shingle Mill	6200	2/27	3.92	2.98*	13.84	10.58	131
Webster Flat x	9200	2/24	3.65	3.53*	11.78	14.82*	79
Widtsoe-Escalante #3	9500	2/26	3.14	2.30b	14.84	9.95b	149
Widtsoe R.S.	7600	2/26	0.90	0.68	5.67	3.78	150
Beaver Canyon P.H.	7275	2/28	2.00	- -	7.12	- -	-
Big Flat	10290	2/22	2.45	3.63b	- -	11.86*	-
Merchant's Valley	8200	2/22	2.28	- -	- -	- -	-

FOOTNOTES - See last page

FOOTNOTES - See last page

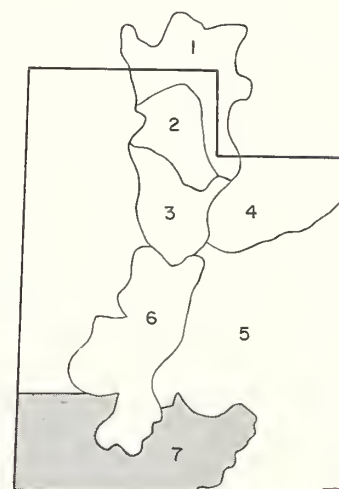


# EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES



## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker with Snow Course
- Aerial Marker without Snow Course
- Soil Moisture Station with Snow Course
- Soil Moisture Station without Snow Course
- SCS Precipitation Gage with Snow Course
- SCS Precipitation Gage without Snow Course
- WB Precipitation Gage with Snow Course
- WB Precipitation Gage without Snow Course
- Temperature Gage
- Snow Sensor with Snow Course
- Snow Sensor without Snow Course
- Radio Telemetry
- Radio Base Station
- Radio Relay Station



WATERSHED LOCATION

# INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
PARIA RIVER						
12M8	U	Bryce Canyon x	36	36S	4W	8,000
PAROWAN CREEK						
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M12	U	Ed Ward Flat	17	35S	8W	8,300
12M15P	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
COAL CREEK						
12M1P	U	Cedar Breaks x	2	37S	9W	10,390
12M17	U	CSU Ranch	18	37S	9W	8,200
12M2M	U	Midway Valley x	26	37S	9W	9,800
12M10	U	Urie Flat	11	37S	10W	8,450
12M3MP	U	Webster Flat x	20	37S	9W	9,200
ENTERPRISE TO NEW HARMONY DRAINAGES						
13M4MP	U	Little Grassy Creek	15	38S	17W	6,100
13M2MP	U	Long Flat	2	38S	14W	8,000
ESCALANTE RIVER						
11M1	U	Widtsoe-Escalante Summit	22	34S	1W	9,500
11M2 PT	U	Widtsoe-Escalante #2	22	34S	1W	9,500
11M3P	U	Widtsoe-Escalante #3	22	34S	1W	9,500
VIRGIN RIVER						
12M1P	U	Cedar Breaks x	2	37S	9W	10,390
12M4P	U	Duck Creek R.S. x	11	38S	8W	8,700
12M5	U	Harris Flat x	24	38S	7W	7,700
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M2M	U	Midway Valley x	26	37S	9W	9,800
12M3MPT	U	Webster Flat	20	37S	9W	9,200

## LEGEND

Numbering system (example)

10J7	Snow Course Only
10J7m	Soil Moisture Station Only
10J7a	Aerial Marker Only
10J7p	Precipitation Gage Only
10J7s	Snow Sensor Only
10J7T	Temperature Gage Only
10J7A	Snow Course and Aerial Marker
10J7M	Snow Course and Soil Moisture Station
10J7P	Snow Course and Precipitation Gage
10J7MA	Snow Course and Soil Moisture Station and Aerial Marker
10J7MP	Snow Course and Soil Moisture Station and Precipitation Gage
10J7S	Snow Course and Snow Sensor
x	Adjacent Drainage
*	Radio Telemetry

SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>ESCALANTE RIVER</u>						
Widtsoe-Escalante Smt.	9500	2/26	17	4.0	2.3	5.3
Widtsoe-Escalante #2	9500	2/26	32	7.0	5.1	6.8
Widtsoe-Escalante #3	9500	2/26	38	9.1	6.5	8.1b
<u>PARIA RIVER</u>						
Bryce Canyon x	8000	2/26	20	4.9	1.8	2.4b
<u>VIRGIN RIVER &amp; COAL CREEK</u>						
CSU Ranch	8200	2/24	26	8.1	1.4	- -
Duck Creek R.S.	8700	2/25	37	11.5	2.7	10.2
Harris Flat x	7700	2/25	28	8.5	0.2	6.1
Long Valley Jct.	7500	2/25	9	2.7	0.0	2.2
Midway Valley x	9800	2/24	56	16.0	9.8	16.5b
Urie Flat	8450	2/24	24	7.9	3.7	5.6b
Webster Flat	9200	2/24	46	14.0	7.1	12.2
<u>PAROWAN CREEK</u>						
Birch Crossing	8100	2/23	27	6.1	4.3	- -
Brian Head	10000	2/23	69	17.2	13.3	- -
Ed Ward Flat	8300	2/23	37	8.2	5.9	5.3b
Tall Poles	8800	2/23	56	12.1	8.8	- -
Yankee Reservoir	8700	2/23	44	9.5	5.8	6.9b
<u>ENTERPRISE TO NEW HARMONY DRAINAGES</u>						
Little Grassy Creek	6100	2/25	6	1.2	3.1	2.3b
Long Flat	8000	2/26	16	3.9	3.6	4.3b

Footnotes - See last page

Footnotes - See last page

# PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
ESCALANTE RIVER							
Widtsoe-Escalante #3	9500	2/26	3.14	2.30b	14.84	9.95	149
VIRGIN RIVER							
Duck Creek R.S.	8560	2/25	2.71	3.27b	12.76	13.45*	95
Webster Flat	9200	2/24	3.65	3.53b	11.78	14.82*	79
COAL CREEK							
Webster Flat	9200	2/24	3.65	3.53b	11.78	14.82*	79
PAROWAN CREEK							
Tall Poles	8800	2/23	3.25	- -	- -	- -	- -
Yankee Reservoir	8700	2/23	- -	2.13b	15.54	8.49	183
ENTERPRISE TO NEW HARMONY DRAINAGE							
Little Grassy Creek	6100	2/25	- -	- -	9.27	- -	- -
Long Flat	8000	2/26	- -	- -	8.95	8.91	100
FOOTNOTES - See last page							



## FOOTNOTES

1. Data supplied by U. S. Forest Service
  2. Data supplied by U. S. Weather Bureau
  3. Data supplied by U. S. Geological Survey, Bureau of Reclamation and River Commissioners
  4. Data obtained by radio - USU-SCS Cooperative Sites
- + 1953-67 - 15-year average period  
b Average of all past record - less than 15 years  
c Taken at Compromise point
- A Aerial observation - water content estimated  
x Adjacent drainage  
\* Partly estimated

The following footnotes apply only to Streamflow Forecast pages.

- (1) Includes UP&L Co. tailrace and Logan, Hyde Park & Smithfield Canal.
  - (2) Observed flow plus change in storage in East Canyon Reservoir.
  - (3) Inflow record as computed by U. S. Bureau of Reclamation.
  - (4) Observed flow Weber River near Wanship, Utah, plus change in storage in Rockport Reservoir, plus diversion by Weber-Provo Canal.
  - (5) Includes diversion by Weber-Provo Canal and change in storage in Rockport Reservoir.
  - (6) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal.
  - (7) Observed flow plus change in storage in Deer Creek Reservoir, minus diversions thru Duchesne tunnel and Weber-Provo Canal.
  - (8) Change in storage plus diversion thru Strawberry tunnel.
  - (9) Observed flow plus change in storage in Otter Creek Reservoir.
  - (10) Gage is below diversions near Salina
  - (11) Observed flow plus change in storage in Otter Crk & Piute Reservoirs.
  - (12) Observed flow at Rockyford Dam, corrected for change in storage in Minersville Reservoir.
  - (13) Observed flow plus diversion through Duchesne Tunnel.
  - (14) Observed flow plus change in storage in Moon Lake Reservoir.
  - (15) Observed flow plus change in storage reservoir.
  - (16) Corrections made for Strawberry, Moon Lake, Starvation Reservoir, Strawberry and Duchesne Tunnels.
- (a) Runoff forecasts are based principally on mountain snow cover and on the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. The discharge data is taken from preliminary records of the U. S. Geological Survey.



# Agencies Cooperating in Utah Snow Surveys

## U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture  
Soil Conservation Service  
Forest Service  
U.S. Department of Commerce  
Weather Bureau  
U.S. Department of Interior  
Bureau of Reclamation  
Geological Survey  
National Park Service

## STATE AGENCIES

Utah State University  
Utah Fish and Game Department  
Utah State Department of Natural  
Resources, Division of Water Rights  
Bear River Commissioner  
Price River Commissioner  
Provo River Commissioner  
Sevier River Commissioners  
Spanish Fork River Commissioner  
Utah Lake and Jordan River Commissioner

## MUNICIPALITIES

Manti  
Salt Lake City

## ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association  
Board of Canal Presidents - Jordan River  
Emery Canal and Reservoir Company  
Moon Lake Water Users Association  
Ogden River Water Users Association  
Provo River Water Users Association  
Strawberry Water Users Association  
Sevier River Water Users Association

## PRIVATE AGENCIES

Kaiser Steel Corporation

UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
FEDERAL BLDG., — ROOM 5434  
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